Volume XIV

January, 1932

No. 1

# NEW ORLEANS COLLEGE OF PHARMACY

CATALOGUE 1931-1932



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LOYOLA UNIVERSITY
6363 St. Charles Avenue
New Orleans, La.



# A. M. D. G.

# LOYOLA UNIVERSITY

NEW ORLEANS

# **COLLEGE OF PHARMACY**

**CATALOGUE 1931-1932** 

ANNOUNCEMENTS 1932-1933

THIRTY-SECOND SESSION



6363 St. Charles Avenue
New Orleans, La.

# COLLEGE OF PHARMACY

# COLLEGE CALENDAR

# First Semester, 1932-33

Sept. 12, Monday	Examinations for Entrance and for Removal of Conditions.
Sont 12 Tuesday	Registration of Freshmen.
	Registration of Freshmen. Registration for Upper Classmen.
	First Semester Recitations Begin.
Sept. 29, Thursday	
	All Saints' Day. No Classes.
	Mid-Semester Examinations.
	Thanksgiving Recess Begins, 5 P. M.
	Classes Resumed, 8 A. M.
	Immaculate Conception. No Classes.
	Christmas Recess Begins, 5 P. M.
	Classes Resumed, 8 A. M.
Jan. 18, Wednesday	Semester Examinations.
Seco	nd Semester, 1933
Jan. 25, Wednesday	Second Semester Opens.
Feb. 15, 16, 17,	
Wed., Thurs., Fri	Annual Retreat.
Feb. 23, Thursday	Examinations for Removal of
	Conditions.
Feb. 27, 28, Mon., Tues	Mardi Gras Recess Begins, 5 P. M.
March 1, Wednesday	Classes Resumed, 8 A. M.
March 29, Wednesday	Mid-Semester Examinations.
April 3, Monday	Seniors' Theses Due.
April 12, Wednesday	Easter Recess Begins, 5 P. M.
April 18, Tuesday	Classes Resumed, 8. A. M.
	Seniors' Application for Degrees.
	Semester Examinations.
	Ascension Day. No Classes.
	Baccalaureate Exercises.
June 5, Monday	
	Registration for Summer School.
June 14, Wednesday	
	Closing of Summer School.
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# COLLEGE OF PHARMACY

# FOUNDED IN 1900

# BOARD OF DIRECTORS

REV. JOHN W. HYNES, S.J., President J. J. GRASSER, B.S., Ph.G., Ph. C., Vice-President REV. F. A. CAVEY, S.J., Secretary REV. G. A. HAYES, S.J. REV. G. A. WHIPPLE, S.J.

# ADMINISTRATIVE OFFICERS

REV. JOHN W. HYNES, S.J., President REV. G. A. HAYES, S.J., Regent REV. F. A. CAVEY, S.J., Secretary G. J. KNOBLOCH, Bursar

# **FACULTY**

PAUL F. BAILEY, B.S., Chemistry

REV. HAROLD A. GAUDIN, S.J., English

REV. WILLIAM T. CREAN, S.J., Latin

> W. E. DOUCET, Ph.G., Pharmacognosy

# F. A. EARHART, Special Lecturer on Commercial Pharmacy

# REV. G. A. FRANCIS, S.J., Chemistry

JOHN W. GASTROCK, Ph.G., Instructor in Pharmaceutical and Dispensing Laboratories

> W. L. GILFOIL, B.S., Chemistry

JOHN J. GRASSER, B.S., Ph.G., Ph.C., Dean and Professor of Pharmacy and Pharmaceutical Arithmetic

JULIAN J. JURGENS, Ph.G., Instructor in Pharmaceutical Laboratories

EDMOND L. MERILH, BS., M.S., Biology and Bacteriology

JOHN W. MITCHELL, B.S.C., Accountancy

JOHN V. CONNOR, Ph.D., Business English

JOHN F. McCLOSKEY, B.B.A., Salesmanship and Advertising

J. B. MURPHY, Ph.G., LL.B., Lecturer on Pharmaceutical Jurisprudence

J. O. WEILBAECHER, B.A., Ph.G., M.D., Materia Medica and Physiology

> C. F. WICHSER, Ph.G., M.D., Pharmacology

M. F. WILSON, M.D., Special Lecturer on Serums and Biological Products

> P. R. YOUNGBLOOD, Instructor in First Aid

# GENERAL STATEMENT

#### HISTORY

The College of Pharmacy was originally the New Orleans College of Pharmacy and was incorporated under that name May 14, 1900.

In 1913 it became affiliated with Loyola University.

In May, 1919, the New Orleans College of Pharmacy with all its rights and privileges was taken over by Loyola University.

#### RATING

This College holds membership in the American Association of Colleges of Pharmacy, the object of which is to promote the interests of pharmaceutical education. All institutions holding membership in this Association must maintain certain minimum requirements for admission and graduation. Through the influence of this Association higher standards of education have been steadily adopted and the fact that several States by law and State Board ruling recognize its standards is evidence of its influence.

The College is also given full recognition by the Regents of the University of the State of New York.

#### LOCATION

The College of Pharmacy is situated on the University campus at 6363 St. Charles Avenue, opposite the picturesque Audubon Park, and in the heart of the residence section.

# Buildings and Equipment

The College occupies commodious quarters in the Bobet Hall on the University grounds, the whole fourth floor being set aside for this purpose. Besides, Pharmacy students have the use of equipment in the general chemistry and bacteriological laboratories on the third floor and the quantitative laboratory on the second floor. There are Chemical, Pharmaceutical, and Research Laboratories, each of which is equipped with the latest appliances and apparatus for doing high-grade work.

Each branch of the Department of Pharmacy has its own lecture room; all lecture rooms and laboratories are furnished with steam heat and electric light and have been carefully arranged to afford the maximum of comfort and convenience to the Faculty and Student Body.

#### PURPOSE OF THE COLLEGE

The purpose of the College of Pharmacy is to provide instruction for students who desire to acquire the special training necessary for the successful practice of Pharmacy. The importance both to the Pharmacist and the public of such training is now fully recognized. For, on the one hand, the dispenser of medicines is held to strict account for the strength and purity of his preparations, and, on the other, the old-time apprenticeship in a drug store has long ceased to be an adequate and proper education for prospective Pharmacists. However valuable the experienced gained in a drug store alone, the necessary education cannot be found there. Hence the necessity of a thorough and systematic course in Pharmacy under the guidance of experienced teachers and with the aid of those facilities for instruction which are afforded by a well-equipped college.

#### Advantages of the Course

An excellent inducement to young men and women to enter the profession of Pharmacy is the lucrative opportunities offered the thoroughly trained and graduate Pharmacist. Throughout the South the demand is strong and urgent and greater than the supply. Not only is this demand felt in the profession itself, but in the various industries that require the technical training in Pharmacy, Materia Medica, Chemistry, Microscopy, and Bacteriology, which was furnished by a three-year course in a standard College of Pharmacy. This includes positions as chemists in laboratories for the manufacture of chemical and pharmaceutical products, chemists in the various industrial plants, food and drug experts in government laboratories, bacteriologists in health laboratories, workers in experiment stations, etc., etc.

It is, moreover, a matter of common observation in medical colleges that students who come to them after having com-

pleted the course in a College of Pharmacy derive more benefit from medical instruction, win high honors in medical classes, and prove the most successful practitioners after graduation in medicine. The advantage of such a superior preparatory course abundantly compensates for the outlay of time and money it requires and will be easily perceived by all who properly appreciate the duties and responsibilities that belong to the practice of medicine.

In Louisiana, as in all other States, the law requires the Pharmacist to be registered; in order to become registered, he must pass an examination at the hands of the State Board of Pharmaceutical Examiners: this he cannot do unless he is a graduate from a first-class practical school of Pharmacy. The drug store training of today is wholly inadequate to prepare prospective Pharmacists for State Board Examinations. These include Chemistry, Pharmacy, Materia Medica, Pharmaceutical Arithmetic, and Practical Work, which cannot be learned properly in a drug store; nor are drug clerks given any time to master them. Without due system, good teachers, and, above all, abundant laboratory practice, the task of becoming sufficiently conversant with the subject-matter is hopeless. Hence it is that in Louisiana and in a growing number of other States only graduates from a College of Pharmacy are allowed to take the State Board Examination.

The College of Pharmacy of Loyola University has sent out into the field something over four hundred graduates, and they are now giving service in almost every part of the country. Our best asset is the record made by these former students. They seldom fail to pass any State Board Examination and they are today filling some of the responsible positions in the drug world, while many are in business on their own account.

#### RECIPROCITY

Graduates of this College who successfully pass the Louisiana State Board of Pharmacy examination are entitled to practice Pharmacy without further examination in any State whose Board is a member of the National Association of Boards of Pharmacy.

#### EMPLOYMENT

The course of lectures has been so arranged as to permit those who desire it to devote a portion of their time to employment.

The Dean will keep a register of students seeking such employment and will give every assistance possible in procuring it.

Applicants desiring to be placed in positions are requested to write to the Dean full particulars concerning their age, experience, previous employment and references.

Pharmacists desiring help are requested to communicate with the Dean.

Those who seek positions must bear in mind that, as most of the day is spent at college, they cannot expect to receive much compensation; and that, as the hours they must pass on duty in a store will necessarily be at the disposition of the employer, there will be little leisure left for study. We will, however, endeavor to place all who desire positions, but make no promise to secure them. Past experience has made it clear that students can better succeed by coming to the city and making application in person.

#### LIBRARY

Besides the general University Library and the Students' Library, there is a special Pharmaceutical Library in the Pharmacy department for the use of the Pharmacy students. It is the desire of the Faculty that the students accustom themselves to wide reading and research beyond their text books, so that besides their training in Pharmacy they may acquire a broad general culture, without which no one can be thought an educated man.

#### Museum

Pharmacists of the State and vicinity are requested to send us curios, such as old books, apparatus or other materials, which will be of pharmaceutical interest.

All such contributions will be prominently displayed and labeled with the names of the donors.

# STUDENT ORGANIZATIONS

## SODALITY OF THE BLESSED VIRGIN MARY

The purpose of the Sodality is to develop Christian character under the protection of the Mother of Christ, and to train young hearts and minds to works of mercy and charity. No student can be admitted to the Sodality unless he has proven himself to be of exemplary moral character, full of the Christian spirit, and an earnest student.

#### THE STUDENT COUNCIL

Officers of the various classes and departments, elected by the students, form a Council for the fostering of true college spirit and the promoting of student activities, whether athletic, social, scholastic or religious. Only such students are eligible to the position of class officers or members of the Student Council whose manly, moral character and standard of scholarship make them distinguished among their fellow-students. The election to be valid must be ratified by the Faculty.

#### DEBATING CLUB

To foster ability in public speaking and to develop special oratorical talent, the Loyola University Debating Club has been formed and conducts debates with colleges and universities in various sections of the country. Students of the College of Pharmacy are eligible to this Club.

#### THESPIAN AND LITERARY SOCIETY

The purpose of the Thespians is to develop and give an outlet to the dramatic talent of the students. With this object in view, several plays are given during the year. Members are encouraged to write plays of varying length and scope. These, if they show sufficient merit, are produced by the Club at one or another of its appearances.

#### GLEE CLUB

Students of the College of Pharmacy are eligible for membership in the Loyola Glee Club. The Glee Club takes an active part in the public entertainments and assemblies of the University and has a schedule of concerts which it gives each year, both for public receptions and for radio programs over the Loyola Broadcasting Station, WWL.

# UNIVERSITY BAND

Membership in the University Band is open to the students of the College of Pharmacy if they have the required ability and training. All who become members are expected to be regular and prompt in attendance at the appointed rehearsals. Opportunities for public performances are offered during the course of the year.

#### STUDENT PUBLICATIONS

The students of the University, under faculty supervision, issue two publications, The Maroon, a bi-weekly, and The Wolf, a year book. A Faculty Director is appointed directly by the President of the University, and he in turn appoints his editorial staff. The business management is in the hands of the students. Thus, their various duties in the editorial, reportorial, advertising and subscription departments render them familiar with phases of life outside of college that will be of benefit to them in their future careers.

#### FRATERNITY

On April 11, 1912, the Lambda Chapter of the Beta Phi Sigma was installed, which is strictly a Pharmaceutical Fraternity. It is, besides, a National Fraternity and the oldest of its kind in the United States.

# **CORRESPONDENCE**

Letters of inquiry will receive careful and prompt attention.

#### Address:

NEW ORLEANS COLLEGE OF PHARMACY,

# LOYOLA UNIVERSITY.

6363 St. Charles Ave.

New Orleans, La.

# REQUIREMENTS FOR ADMISSION AND MATRICULATION

STUDENTS WHO ENTER AFTER JULY 1, 1932, WILL BE REQUIRED TO TAKE A FOUR-YEAR COURSE IN RECOGNIZED SCHOOLS.

Applicants for admission to the first-year class as candidates for a degree must be at least seventeen years old, must be of good moral character, and present "evidences of the satisfactory completion of four years of high school work or its equivalent."

At least fifteen standard high school units are required, of which three units must be in English, two units in Mathematics, one unit in Natural Science. The remaining nine units must be chosen from the list of Elective Units, with this double limitation: that of these electives, not more than three units in vocational subjects will be accepted and no credit will be allowed for less than two years in any foreign language.

Blank forms for these certificates will be supplied by the Registrar upon application.

Matriculation books will open for the coming session in September. It is recommended that applicants have their credentials sent to the Registrar immediately after graduation from High School. This will enable the Faculty to pass on their eligibility and to inform them of any deficiencies that must be made up in Summer School.

All students are expected to be matriculated before the opening of the session, thus allowing ample time to be assigned to class and provided with laboratory outfit.

Students should be present on the opening day of classes and will not be admitted under any circumstances after the first ten days.

# II. LIST OF ENTRANCE REQUIREMENTS

# II. List of Entrance Requirements:

Subject-

a o jeet	
	Entrance
	Units
English	3
Algebra	
Plane Geometry	
Science	1
Electives	

# III. ELECTIVE UNITS

Enough electives must be chosen from the following group to complete the fifteen units required. The following table shows the minimum and maximum amount of entrance credit allowed in each subject:

Language—	Units
Danguage—	Acceptable
English	3 - 4
Latin	2 - 4
Greek	2 - 3
French	2 - 3
German	2 - 3
Spanish	2 - 3
Mathematics—	
Algebra	1 - 2
Plane Geometry	. 1
Solid Geometry	1/2
Trigonometry	1/2
Science—	
Biology	. 1
Chemistry	
Physics	. 1
Botany	$\frac{1}{2}$ - 1
Zoology	$\frac{1}{2}$ - 1
Physiology	. 1
Physiography	. 1
General Science	

History—	
Ancient History	1
Medieval and Modern History	1
English History	1
American History	1
American History and Civics	$1 - 1\frac{1}{2}$
Miscellaneous—	
Drawing	$1 - 1\frac{1}{2}$
Manual Training	1 - 2
Domestic Science	1 - 2
Music	1

Other subjects counted towards graduation by a recognized high school may be accepted under this group. But not more than three units can be offered from the Miscellaneous or Vocational group.

## System of Instruction

The course of instruction followed adheres as closely as possible to the PHARMACEUTICAL SYLLABUS, recommended by the National Committee representing the Boards and Schools of Pharmacy of the United States.

The instruction in this institution is divided into a Freshman, Junior, and Senior course of 34 weeks each, leading to the degree of Graduate in Pharmacy (Ph. G.).

Beginning September, 1932, the course of instruction in this institution is divided into four years, leading to the degree of Bachelor of Science in Pharmacy (B.S. in Phar.).

All students matriculating after July 1, 1932, are required to take the four-year course, which is the minimum.

Those students who are completing the three-year course will continue in the Junior and Senior classes, leading to the degree of Graduate in Pharmacy (Ph.G.).

The Freshman course embraces General Inorganic and Qualitative Chemistry, Technical Pharmacy, with Manipulations, Botany, Zoology, Higher Mathematics, English, French, Latin, Pharmaceutical Mathematics and First Aid.

The Sophomore course will not be given in 1932-33.

The Junior course is a continuation of that of the Freshman year. It embraces Inorganic, Organic, and Analytical Chemistry, Theoretical and Practical Pharmacy, Materia Medica, Pharmacognosy, Toxicology, Dispensing, Biologics, and Pharmaceutical Jurisprudence.

The Senior course is a continuation of that of the Junior year, taking up the more difficult and advanced work required of the Pharmacist. It embraces Quantitative and Physiological Chemistry, Practical Pharmacy, Pharmacology, Pharmacognosy, Bacteriology, Toxicology, and Dispensing Pharmacy.

## ADMISSION OF WOMEN

It is becoming daily more recognized that women possess peculiar fitness for the study and practice of Pharmacy. Accordingly, the number of those engaged in the profession is constantly increasing. Hence, women are admitted to all classes upon equal terms with men.

# THE SENIOR CLASS AND ADVANCED STANDING

Candidates for admission to the Senior Class of 1933 must have attended and completed the Freshman and Junior course of instruction in this College, or give evidence of having attended a similar course at some reputable College of Pharmacy, and of having passed a satisfactory examination in the subject-matter of the Junior year of that College; provided, the work done is fully equivalent to such subjects included in the first two years' work at Loyola.

# REQUIREMENTS FOR GRADUATION

Candidates for graduation in 1933 must have attended three full years of instruction in Pharmacy, the last of which must have been spent at this College; and they must have attained the required percentage in the periodic or final examinations.

Unless excused by the Dean for sickness or other cause, all students must have attended during eighty-five per cent of the hours of instruction in each Department throughout the term, with a general attendance of ninety per cent. Failing to com-

ply with this condition, the student will forfeit the privilege of taking examination.

All candidates must be present at the Commencement Exercises and receive their degrees in person. No excuse outside of serious illness, attested by a reputable physician, will be accepted. The University will not confer degrees in absentia.

#### Degrees

The degree conferred by this institution on its graduates of 1933 and 1934 is that of Graduate in Pharmacy (Ph.G.). Thereafter, Bachelor of Science in Pharmacy.

## RELIGIOUS INSTRUCTION AND COLLEGE DISCIPLINE

The educational system of the University stresses the development of Christian character and gentlemanly behavior at all times and in all places. Honorable conduct and respectful demeanor towards professors, instructors, and assistants, as well as towards one another, are required of all students. Two hours a week are given to advanced instruction in Christian Doctrine. All Catholic students must take this course.

The College reserves the right to terminate its connection with any student at any time, whenever such action may seem advisable, on the grounds of immoral or disorderly conduct, or failure to conform to the rules of the College. The fees of such a student will not be returned.

#### ATTENDANCE

All students must attend assemblies, classroom and laboratory exercises regularly. They will be charged with all absences except such as are incurred through University action. Students who are absent from exercises the day preceding or the day following any college recess or vacation will be marked with two absences for each exercise missed, unless permission has been previously asked for in writing and granted by the Regent or Dean.

Absence from a test that has been duly announced will be marked as two absences in that subject, unless a satisfactory excuse has been previously approved by the Regent or Dean.

Excused absences do not exempt from tests, quizzes, or written work required during the period of absence. The respon-

sibility for making up work or taking omitted test rests wholly upon the student, and he should arrange with the professor for taking these tests, etc. Failure grade will be given where this is neglected.

Students absent from any examination, unless for the very gravest of reasons, approved by the Regent or Dean, will receive a failure grade in that course.

# PRIZES

# NATIONAL DRUG CLERK ASSOCIATION PRIZE

An annual prize, consisting of life membership in the National Association of Drug Clerks, valued at twenty dollars, is awarded the Senior student who attains the highest grade in Pharmacy, the Senior who attains the highest grade in Chemistry, and the Senior who attains the highest grade in Materia Medica.

THE LOUISIANA STATE PHARMACEUTICAL ASSOCIATION PRIZE

A gold medal is offered by the Louisiana State Pharmaceutical Association to the Senior student who makes the highest general average in Pharmacy.

#### THE I. L. LYONS & CO. MEDAL

A gold medal is offered by I. L. Lyons & Co. to the Senior student who makes the highest general average in all the subjects covered in the Senior year.

# STUDENT EXPENSES

All fees must be paid at the beginning of the school year, except graduation fee, which must be paid on May 1 in the year of graduation. The tuition may be paid in two installments, but this must be done at the beginning of each semester.

At the time of registering, each student must obtain a card admitting him to the classes on his schedule. This eard must be signed by the Bursar.

Unless all indebtedness is promptly paid, no eard will be issued and the student will not be admitted to regular classes nor be allowed to take any examinations.

It is the duty of each student who applies for registration to come prepared to meet his financial obligations according to these rules. The University is unwilling to make exceptions for any student.

Students who live outside of New Orleans can obtain pleasant rooms in the neighborhood for from \$10.00 to \$15.00 per month. The University is equipped with a very fine modern cafeteria, where the students can take their meals at reasonable rates. The University does not conduct student dormitories.

# **FEES**

FRE	ESHMAN	JUNIOR	SENIOR
Tuition, payable per semester\$	125.00	\$125.00	\$125.00
Matriculation	5.00	•••••	
Registration	5.00	5.00	5.00
Chemistry Lab.	20.00	20.00	20.00
Pharmacy Lab.	10.00	15.00	15.00
Bilology Lab	20.00		
Pharmacognosy Lab	***************************************	5.00	5.00
Bacteriology Lab.	******		10.00
Breakage Deposit, Pharmacy	5.00	5.00	7.50
" Chemistry	10.00	10.00	15.00
Student Council	8.00	8.00	8.00
Athletic Association	10.00	10.00	10.00
Graduation	***************************************	•	25.00
First Aid	3.00	***********	
-			
Total\$	221.00	\$203.00	\$245.50

If the semester tuition fees are not paid within two weeks of the dates here specified, the regular rate of interest will be charged and the student will be ineligible for examinations.

In case a student withdraws from the University and makes application for refund during the first ten days of instruction as scheduled, the total amount of his fees for the work dropped, except the matriculation fee, will be refunded. If application is made after this ten-day period and before the middle of the semester, a rebate of one-half of the fees, except the matriculation fee, will be made. After the middle of the semester, no

rebate will be allowed. In no case will any part of the matriculation fee be refunded.

The Athletic fee entitles the student to admission to all athletic events and to the privilege of participation in athletic activities on the campus.

The Student Activities fee covers subscriptions to *The Maroon* and *The Wolf*.

The Graduation fee includes rental of cap and gown.

Each student may have an individual locker for \$2.00 a year. A fee of \$2.00 payable in advance will be charged for every examination taken out of course.

The Breakage fee will be administered and refunded according to the regulations of the college. Out of it is taken a charge for damage, loss or injury to materials, apparatus or property; and the distribution of this charge is made to individuals or classes, according to circumstances.

A student may request a transcript of credits earned at the University. No charge is made for the first transcript, but a fee of \$1.00, payable in advance, will be charged for each succeeding copy.

# ADMINSTRATIVE PROCEDURE

# THE COLLEGE YEAR

Instruction begins in the third week of September on the day specified in the Calendar. Instruction includes thirty-four weeks, divided into two semesters of seventeen weeks each. There is a recess at Christmas and at Easter. Instruction is suspended on legal holidays, and on holy days of obligation observed in the Catholic Church.

#### Instruction

The unit of instruction is one hour a week for one semester. Two hours of work in the laboratory are considered equivalent to one hour of recitation. Students may receive credit only for the number of hours published with a course. No credit will be allowed for a course for which a student is not regularly registered.

Attendance as auditors is not granted to regular students without written permission of the Dean.

# WITHDRAWAL

A student withdrawing from the College during any semester or before the final examination forfeits credit for work done in that semester. Students who withdraw from a course without permission of the Dean are recorded as having failed in the course.

#### HONORABLE DISMISSAL

It is required as a condition of honorable dismissal that students who wish to withdraw from the University shall obtain permission to do so on blanks furnished by the Registrar.

#### EXAMINATIONS

Quarterly examinations in all subjects are held. Written tests and weekly quizzes may be given at the discretion of the professors. The result of the quarterly examinations, combined with the grade for the student's class work, will determine the final or passing grade for the semester. A student who has failed to take tests or quizzes or to hand in his assigned work will be given an incomplete grade.

The passing grade in the College of Pharmacy is D. The student attaining this grade or above receives credit for the number of semester hours allowed for that portion of the course.

A grade of E represents a Condition. This condition may be removed by examination. Only one such examination is allowed, and only on the day assigned by the Dean. If the student is successful in the examination, he receives the full credit of semester hours, but the highest average allowed for his permanent record for this subject is D. If the student fails in the examination, the condition becomes a failure, and the course must be repeated.

Students absent from any examination, unless for the very gravest of reasons, approved by the Dean, will receive a failure grade in that course.

For each conditioned examination, and for each examination taken out of course, a fee of \$2.00 will be charged.

#### REPORTS

Reports containing a record of the class standing and attendance are sent to parents or guardians after each semester. Special reports are made at other times when it is deemed advisable, or upon special request. The Dean should be notified if the reports are not received in due time.

Grades are reported as follows:

A (excellent; 95-100 per cent) is a mark of distinction given to that very small portion of students whose work is the best that can be expected.

B (good; 85-94 per cent) is given for above the average.

C (satisfactory; 75-84 per cent) represents such work as may be expected of the average student.

D (pass; 70-74 per cent) is given for work although below the average, but still deserving a passing grade.

E (deficient; 60-69 per cent) represents work too poor to receive a passing grade, but not deserving of absolute failure. This grade represents a condition.

F (failure; below 60 per cent) represents unsatisfactory work; if given as a final grade, the student must repeat the course.

I (represents incomplete work) and no grade can be given until the work is completed.

X Absent.

W Withdrew.

# DESCRIPTION OF COURSES

# BIOLOGY

Bl. 301-302. Bacteriology.

This course comprises the study of the morphological and biological characteristics of the pathogenic and non-pathogenic bacteria.

Methods of preparing, cultivating and identifying bacteria are carefully studied, various methods of sterilization are discussed and demonstrated, and the preparation and standardization of vaccines and antitoxins receive careful consideration. Immunity and its various types are studied together with the technique of serum reactions. Diseases caused by filtrable viruses and the exanthemata are thoroughly discussed. The bacterial examination of air, soil, water, and milk is taken up in its bearing on the question of preventive medicine.

The common forms of protozoal diseases are considered. The course is designed to give to the student a working knowledge of the subject and to impress upon him the relation of mouth conditions to systemic disease, so that he is enabled to consult intelligently with the physician and thus be a more important figure in health service.

Third Year: Lectures, 3 hours per week. Laboratory, 4 hours per week.

Mr. Merilh.

Bl. 201. Special Bio-Therapeutics.

During the second year there is given a series of Special Lectures, with class-room demonstrations, on Serums and Biological Products, their manufacture, use, and preservation.

Second Year: Lectures, 1 hour per week.

Dr. Wilson.

Bl. 101. Botany.

This course is so given as to meet the needs and requirements of the profession of Pharmacy.

In order to understand the description of the vegetable drugs in the United States Pharmacopoeia, the National Formulary, Dispensatories, and current literature, as well as other valuable works on medicinal plants, the knowledge of Botany is not only desirable but imperative for the well-informed Pharmacist.

The lectures cover enough of the life-history of cryptogamic plants to show their relationship in structure and life-history to the higher forms. The function, structure, and morphological character of the various organs and members are explained and some of the processes demonstrated by means of physiological apparatus.

First Year: Lectures, Recitations, 2 hours per week. Laboratory, 4 hours per week.

Mr. Merilh.

Bl. 102. Zoology.

Animal Life. A study of the structure, functions and relationships of animal organisms. An intensive study of the cell: structure, divisions, germinal cell, maturation, fertilization and cleavage. The course is so designed as to give the student a basic foundation, leading to a more comprehensive understanding of the later study of Physiology.

First Year: Lectures and Recitations, 2 hours per week.

Laboratory, 4 hours per week.

Mr. Merilh.

# CHEMISTRY

Ch. 101-102. General Inorganic.

This course consists of lectures on the elements, with practical laboratory work supplementing the lectures.

The lectures include the fundamental principles of Chemistry, definitions of elements, atoms, molecules, acids, bases, salts, explanation of the Ionic theory, chemical and physical laws. Every student who pays proper attention will obtain a solid foundation of knowledge which will enable him to understand the more advanced work of chemistry.

The elements studied include: Oxygen, Hydrogen, Nitrogen, Chlorine, Bromine, Iodine, Fluorine, Sulphur, Phosphorus, Carbon, Silicon, Boron, Arsenic, Antimony, Potassium, Sodium, Lithium, Barium, Strontium, Calcium, Magnesium, Aluminum, Zinc, Cadmium, Tin, Bismuth, Gold, Silver, and Platinum.

The study of each element is followed by a consideration of the compounds of the element with others previously studied; in this way are discussed water, hydrogen dioxide, ammonia, oxides of nitrogen, hydrochloric, hydrobromic and hydriodic acids, sulphurous and sulphuric acids, the acids of phosphorus, and many other compounds.

The student thus lays the foundation of a practical knowledge of Chemistry, which, when increased by the work of the second year, will prepare him for active work with pharmaceutical processes based on chemical principles.

Several elements and a large number of compounds are prepared in the laboratory and many experiments illustrating the properties of both elements and compounds are performed. This laboratory practice is of special importance, since it gives the student the opportunity to perform a large number of chemical experiments having a direct bearing on the subject-matter of the lectures. By these investigations of chemical phenomena the student has an opportunity to develop self-reliance and acquire accurate habits of observation. He should also become expert in chemical manipulation.

The laboratory work is intended to teach the student:

(1) To observe and distinguish essential from non-essential phenomena; (2) to express in writing the results of observation; and (3) to draw proper conclusions as to what facts are taught by the experiments.

First Year: Lectures and recitations, 3 hours per week.

Laboratory, 4 hours per week.

Mr. Bailey and Assistants.

Ch. 102a. Qualitative Analysis.

This course, which is supplementary to the work of the first year, is chiefly a laboratory course.

The action of the Group Reagents upon solutions of all the common base-forming elements is determined by experiment. The bases are then classified into groups. The method of sepation of the bases of each group is studied in connection with solutions of known composition and, finally, with unknown solutions. Full record is required for each step taken during the operation: the reagent used, the result obtained, the equations showing each chemical change. Acid radicals are studied in the same systematic manner. The student is required to make a stated number of correct analyses before he is given credit for the course.

This course not only fits the student for practical analytical work, but rules and principles are developed which greatly aid in manufacturing Chemistry.

First Year, second semester: Lectures and recitations, 3 hours per week.

Laboratory, 4 hours per week.

Fr. Francis and Assistants.

Ch. 203-204. Organic Chemistry.

This course includes a study of the source of organic compounds, their properties, purification, proximate and ultimate

analysis, determination of melting and boiling points, homology, isomerism, destructive distillation, combustion, decay, fermentation, determination of formulae from the results of analysis, structural, graphic, and molecular formulae, etc.

The organic substances are classified and studied under the following heads: hydrocarbons, halogen derivatives of hydrocarbons, alcohols, aldehydes, acids, ethers—simple and compound—ketones, fats, soaps, carbohydrates, glucosides, cyanogen compounds, mercaptans, benzene and benzene derivatives, as mono-, di-, and trihydroxy compounds, the aldehydes, acids, terpenes and their derivatives, diazo compounds, pyridin bases, animal and vegetable alkaloids, complex synthetic compounds, as phenacetin, antipyrene and acetanilid, amines, amides, and other organic substances of pharmaceutical interest.

Second Year: Lectures, 3 hours per week. Laboratory, 4 hours per week.

Fr. Francis and Assistants.

Ch. 305-306. Quantitative Analysis.

A course in the principles of quantitative analysis, consisting of practice in the gravimetric and volumetric analysis of inorganic compounds of known percentage composition, and, later, in the analysis of compounds of unknown composition. Typical problems on such are stressed. This work is regarded as a preliminary training for the more advanced work, consequently great imporance is placed upon accuracy, care, and integrity necessary for successful quantitative work.

Third Year: Lectures, 2 hours per week. Laboratory, 6 hours per week.

Mr. Gilfoil and Assistants.

#### ENGLISH

En. 101-102. English Composition.

This is a course with a view to the special needs of the students in their future profession. It includes the following topics: The application of the general principles of composition to Narration, Description, and Exposition; a special study of essay writing; business and social letters; practice in public

speaking; a general outline of the history of English literature.

First Year: Lectures, 3 hours per week.

Fr. Gaudin.

#### FIRST AID TO THE INJURED

#### F. A. 101. General Course.

This is a practical course which includes the care and treatment of hemorrhage shock, suffocation, wounds, bruises, strains, sprains, dislocations, fractures, sunstroke, heat exhaustion, freezing and frostbite, burns and scalds, poisons and their antidotes, etc.

Attention is given to the proper application of bandages, splints for broken bones, rescue methods for gas and smoke prostration, and for injury from electric wires and kindred accidents.

A small fee is charged for the text book and material used in the demonstrations.

First Year: Lectures, 1 hour per week, for 20 weeks.

Mr. Peter G. Youngblood.

# MATERIA MEDICA

Mat. Med. 201-202. General.

As this subject is considered the most difficult department of Pharmacy, every effort is made to present it in the most practical and simple manner possible. The various drugs are classified according to the natural order (families) and studied from the standpoint of their physiological action as the best method for remembering them.

This course consists of lectures and recitations. Each drug is taken up individually, and the student not only becomes acquainted with the official definition and common names of the drug, but also its chief constituents, preparations, therapeutic use and dosage.

During this course the student's attention is directed to the drugs derived from the animal kingdom. Because of the rapidly

increasing popularity of substances from this kingdom for use in medication, in addition to the official drugs of this classification, a number of non-official drugs is considered.

**Second Year:** Lectures and Recitations, 4 hours per week.

Dr. Weilbaecher.

# MATHEMATICS

Math. 101-102. College Algebra.

Progressions, Binomial Theorem, Logarithms, Interests, Choice, Chance, Series, Variables, Determinants, etc.

First Year: Lectures, 3 hours per week.

Mr. Monasterio.

Math. 203-204. Plain Trigonometry.

Functions, Geniometry, Computation of Triangle, Solution of Thigonometrical Equations, DeMoivre's Theorem.

Second Year: Lectures, 3 hours per week.

Mr. Monasterio.

Math. 105. Pharmaceutical Arithmetic.

This course aims to give students the necessary skill and practice in solving problems which arise in the everyday life of the Pharmacist, as well as in chemical analysis.

The work is arranged in logical order and includes problems in weights and measures, specific gravity, specific volume, conversion and reduction of formulae, percentage problems of every kind, dilution and fortification, alligation, problems involving chemical formulae and reactions, and numerous miscellaneous problems.

First Year: Lectures, 3 hours per week.

Dean Grasser and Assistants.

#### MODERN LANGUAGE

#### FRENCH

Fr. 101-102. Elementary.

Drill in the French verb. Emphasis on the irregular verbs. Thorough review of syntax, with emphasis on the moods and tenses. Drill in sentence and paragraph-building.

First Year: Lectures, 3 hours per week.

Fr. O'Donohoe.

Fr. 203-204. The French Novel.

The romantic, the realistic, and the contemporary novel. Sources, development, and influences.

Second Yeas: Lectures, 3 hours per week.

Fr. O'Donohoe.

# PHARMACOGNOSY

Phg. 201-202. Pharmacognosy.

This course consists of a study of the anatomical structure of roots, stems, woods, barks, flowers, and seeds, the functions of the various organs, and the component elements of the tissues and cell content. The second semester is devoted, in part, to plant, physiology and plant chemistry regarding the metabolistic products which form the so-called active constituents of drug plants. Some time is given to the microscopical examination of powdered drugs with an idea to detect adulterants, and also of the crude drugs in order to acquaint the student with the terms used in crude-drug description.

The student becomes proficient in the use of the microscope, microscopical technique, and its practical application. He prepares permanent mounts and microtomic sections of both living and dry specimens for the study of cell and tissue arrangements. The student is required to prepare careful and accurate drawings of his observations.

The drugs are considered in family groups and are studied from the standpoint of production, preparations, and preservation for the market.

Second Year: Lectures and laboratory, 2 hours per week.

Mr. Doucet.

Phg. 303-304. Pharmacognosy.

This course consists of a study of the history, source, collection, identification, purity, evaluation, preparation, and preservation of the vegetable drugs. All of the official drugs are classified, considered and studied individually. Each student is furnished with a complete set of official drug samples for study, and is required to pass a number of identification tests to acquaint him with all drugs he is expected to handle in his chosen profession.

A more minute and detailed study of the powdered and crude drugs is embraced, which includes methods and technique employed in the examination of drugs, spices and technical products, with special attention to adulteration and its detection. This course should be especially valuable to those who contemplate entering manufacturing pharmaceutical laboratories, municipal, State or Federal service as drug inspectors.

Third Year: Lectures and laboratory, 2 hours per week.

Mr. Doucet.

#### PHARMACY

Ph. 101-102. Technical Pharmacy.

The first-year course is essentially one dealing with Pharmaceutical Physics, in which the applications of general physical laws to Pharmacy are pointed out and the methods in general use are described. The various operations of manufacturing are delineated and illustrated by models, diagrams, apparatus, etc., and instruction given in the reason for the operations and methods employed.

The following outline shows the general character of the course:

A consideration of weights and measures; the various systems in use and their relation to each other; the construction, choice, and care of a balance; instruments of measure and methods of testing and verifying them; specific gravity and its use; specific volume.

Heat, its nature, sources, and properties; methods of regulating and controlling it for various purposes; the construction and uses of steam apparatus, baths, etc.; the various forms of thermometers and their relation to each other.

Evaporation and distillation, with full demonstration of various methods of conducting the operations; and the choice of apparatus therefor.

Drug grinding and milling; the selection and use of mortars; and the various methods of powdering and sifting different kinds of drugs and chemicals.

Solution, its laws and the phenomena accompanying it; the methods of making and adjusting solutions; and the influence of solutions in compounding and manufacturing.

Crystallization; the properties of crystalline substances; their storage, changeableness, and methods of restoration.

Filtration and the method of clarifying or decolorizing liquids; the use of funnels and filtering agents and the various apparatus for filtration.

Maceration and its applications; the economical methods of conducting it.

Percolation; its history, development, and applications; various forms of percolators and their choice; repercolation and fractional percolation.

A history of the leading Pharmacopoeias of the world, and particularly that of the United States—its legal status, character, purpose, and contents.

First Year: Lecture and recitation, 1 hour per week.

Dean Grasser.

Laboratory, 2 hours per week.

Mr. Gastrock and Assistants.

Ph. 203-204. Pharmaceutical Chemistry.

This course embraces a study of the inorganic chemicals and their preparations, such as sodium, potassium, lithium, ammonius, calcium, strontium, magnesium, aluminum, cadmium, iron, manganese, chromium, mercury, antimony, arsenic, bismuth, copper, lead, zinc, gold, silver, cobalt, tin, and platinum, as well as the organic substances: cellulose, starches, gums, sugar, coal-tar products and derivations of the same, alcohols, fats, fixed oils, essential oils, organic acids, glucosides, alkaloids, neutral principles, and animal products.

The laboratory includes work on qualitative and quantitative analysis, determination of purity, U. S. P. tests, assays, and typical problems relative to the materials covered.

Second Year: Lectures and recitations, 4 hours per week.

Dean Grasser.

Laboratory, 5 hours per week.

Mr. Gastrock and Assistants.

Ph. 205-206. Dispensing Pharmacy.

This course consists of a thorough study of prescription practice; in writing, compounding and dispensing. Particular emphasis is placed on discussions of incompatibilities of offical drugs and preparations, with abundant practice in reading of type prescriptions taken from retail drug store files.

In addition to the theoretical and practical fundamentals of dispensing pharmacy, the student receives a most beneficial course in pharmaceutical ethics, scientic prescription pricing, and modern prescription planning and management.

The laboratory work is devoted mainly to filling and criticizing a given list of type prescriptions, which include many prescriptions recently written by local physicians.

Second Year: Lecture, 1 hour per week.

Mr. Gastrock.

Laboratory, 3 hours per week.
Mr. Gastrock and Assistants.

Ph. 301-302. Advanced Pharmacy.

In this course the remaining Pharmacopoeial and National Formulary Preparations are carefully and minutely described and explained. These official preparations, the manufacture of which requires a knowledge of Chemistry, as well as the alkaloids and volatile oils, are taken up individually and studied in detail.

The laboratory work includes all the U. S. P. tests and assays relative to the subject-matter studied.

Third Year: Lectures and recitations, 4 hours per week.

Dean Grasser.

Laboratory, 5 hours per week.

Dean Grasser, Mr. Gastrock and Assistants.

#### MILK AND URINE ANALYSIS

In addition to the general chemical laboratory work as outlined, a course in Milk and Urine Analysis will be given.

This course comprises the determination of reaction, specific gravity, fat, added water, preservateives, etc. Urine Analysis consists of all the essentials necessary to a complete Urine Analysis, both qualitative and quantitative, and comprises determination of specific gravity, reaction, sugar, albumen, acetone, bile, phosphates, etc.

Third Year: Lecture and laboratory in connection with Pharmacy 301-302.

Ph. 303-304. Advanced Dispensing Pharmacy.

This course consists of a more advanced study of prescriptions, the manufacture of pharmaceutical and simple household preparations.

The laboratory is devoted to the compounding of the more difficult prescriptions, emphasizing technique, which is necessary for accurate and successful dispensing. The student is required to complete a given list of prescriptions and preparations.

Third Year: Lectures and laboratory, 3 hours per week.

Dean Grasser, Mr. Gastrock and Assistants.

Ph. 305-306. Pharmacology.

It is the purpose of this course to have the student understand the underlying principles and basic knowledge of Pharmacology, together with the more important facts regarding Posology (dosage) and the possible danger of poisoning. The work in this subject includes the study of the action of the various drugs on the human body, with the intent to better equip the student for practical drug store work.

Third Year: Lectures, 2 hours per week.

Dr. Wichser.

Ph. 207-208. Commercial Pharmacy.

In recent years important changes have taken place in the profession of pharmacy, necessitating a better knowledge of its commercial side.

The instruction is for the purpose of fitting the student with knowledge and practice necessary to conduct successfully a retail drug store on a substantial business basis.

The course offers a discussion of troublesome practical problems which may arise in the modern retail drug store.

Second Year: Lecture, 1 hour per week.

Mr. Earhart.

Ph. 103-104. Accountancy—Constructive.

Fundamental principles in their actual business applications. Elements of single and double entry bookkeeping. Methods of recording and presenting facts. Opening and closing books. Laboratory problems.

First Year: Lectures and recitations, 2 hours per week. Laboratory, 2 hours per week.

Mr. Mitchell.

Ph. 209-210. Business English.

This course gives a thorough knowledge of the general principles of business correspondence. Emphasis on structure and content of different types of business letters. Practice writing and assigned problems to handle.

Second Year: Lectures, 3 hours per week.

Mr. Connor.

Ph. 307 308. Salesmanship.

Relation of selling to advertising. Motives for buying and analyses of customer habits. Suggestion and personality. Sales demonstrations. Practical observations in the field.

#### ADVERTISING

Fundamental principles of advertising. Layouts and writing of advertising copy. Advertising agencies and mediums. Advertising forms. Application of psychology to various types of advertising. Practical observations in the field.

Third Year: 3 hours per week.

Mr. McCloskey.

# PHYSIOLOGY

# GENERAL PHYSIOLOGY

The course in Physiology is designed primarily as a preparation for the subsequent study of Toxicology and as an aid to the student in his work as a Pharmacist. The facts are presented in as plain and practical a manner as possible and each lecture is illustrated by suitable demonstrations, charts, and models. The general principles of Physiology and the main organs and systems of the body of interest to the Pharmacist are considered. The following topics are treated:

Living matter, the skeleton, joints, the blood circulation, respiration in lungs and tissues, food, the digestive system, digestion, absorption, excretion, by kidney, skin, lungs, etc.; muscles, the skin, the nervous system, special senses, the eye, the ear, etc., common injuries and inflammations, bacteria, disinfection, sterilization, antitoxins, etc.; common germ infections.

Lectures: 2 hours per week.

Dr. Weilbaecher.

# ORDER OF STUDIES

# Beginning with the 1932 Session

# FIRST YEAR

Pharmacy	10   w w w w w w w w w w w w w w w w w w	*SECON	Pharmacy	2	The Hours of the H
Pharmacy	4 3 4 2 3 1 1 2 —————————————————————————————	5 4  2  3   14	Pharmacy	3 4 2 3 1	5 4  2  3  14
Pharmacy	$ \begin{array}{c} 4 \\ 2 \\ 2 \\ 1 \\ 2 \\ 3 \\ \hline 17 \end{array} $	4  2 2 6 4  18	Pharmacy Pharmacology Pharmacognosy Dispensing Chemistry Bacteriology Coml. Pharmacy	2 2 1 2	4  2 2 6 4  18

<sup>\*</sup>To be rearranged after 1933.

# ROLL OF STUDENTS, 1930-1931

# SENIORS

de la Bretonne, Gaston	Louisiana
Boutte, Francis L.	Louisiana
Brown, Webster G	Louisiana
Buquoi, Francis H	Louisiana
Comeaux, Sexton Martin	Louisiana
Crozat, Miss Marguerite	Louisiana
Dileo, Samuel J.	Louisiana
Earhart, Valentine R.	
Fajardo, Santiago	
Fazzio, Joseph B	Louisiana
Genre, Richard S.	Louisiana
Gerac, Louis G.	Louisiana
Guidroz, Harold M.	Louisiana
Kientz, Joseph A	Louisiana
Laborde, Winston	
Lowry, Edward S	
Matassa, Charles	Louisiana
Marquer, Miss Josephine E.	
Mejenes, Transito	Mexico
Mori, Shigo	
Rabinowitz, Carl	Louisiana
Riecke, Roy	
Riolo, Anthony	
Roeling, Miss Avita C.	Louisiana
Smith, Julian H.	

# JUNIORS

Benard, Miss Augustina	Nicaragua
Brocato, Samuel	Louisiana
Carey, Joseph A.	
Cusimano, Frank W.	
Flach, Adolph J.	Louisiana
Fox, Sister Marie	
Gremillion, Earl J.	Louisiana
Guarisco, Peter D.	Louisiana
Hebert, Miss Gladys M.	
Kearney, Miss Rose Mary	Louisiana
Levy, Earl S.	Louisiana
Lopez, Miss Adelphia	
Mendoza, Marco	Honduras

Miranti, Gondolfo J	Louisiana
Musachia, Miss Mary I	
Pisciotta, Rosario C	
Stoulig, Miss Leola	
Thomas, Lucien E.	
Weitkam, Miss Mildred	

# Freshmen

Aprill, C. NLouisiana
Alleman, PLouisiana
Cucchiara, RLouisiana
Dileo, P. Louisiana
Espanan, MissLouisiana
Fabacher, Miss ALouisiana
Fallon, Miss J. Louisiana
Gregoratti, MissLouisiana
Hulseman, Sister Joanna Illinois
Jones, B. R. Texas
Lasseigne, P. WLouisiana
Martina, Jos. HLouisiana
Musachia, Miss FLouisiana
Nobile, Miss MLouisiana
de Montluzin, RMississippi
Palmisano, D. S. Louisiana
Sunseri, JosLouisiana
Valenzuela, R
Tusa, ChasLouisiana
Wood, Miss J. Louisiana

# DEGREES CONFERRED, JUNE 8, 1931

The degree of Graduate in Pharmacy was conferred on:

NORMAN L. ABADIE MISS ELMA ARNOULT LLOYD P. BREAUX MISS LYDIA BROU J. LELAND COLLIGAN JAMES P. EVERETT ALVIN FERRER CHALON L. FOGARTY RICHARD HELLMERS JOSEPH A. KARAM NOLAN LANDRY FRANCIS PONZO JOHN RICCA JUAN SANCHEZ L. SAUCIER GEORGE SCHEUERMANN JOSEPH TETLOW MISS JOSIE WEINBERGER CARL ZUMMO

# CANDIDATES FOR DEGREES

June 8, 1932

GASTON DE LA BRETONNE WEBSTER G. BROWN FRANCIS H. BUQUOI SEXTON MARTIN COMEAUX MISS MARGUERITE CROZAT SAMUEL J. DILEO SANTIAGO FAJARDO RICHARD S. GENRE LOUIS G. GERAC HAROLD M. GUIDROZ JOSEPH A. KIENTZ EDWARD S. LOWRY CHARLES MATASSA MISS JOSEPHINE E. MARQUER TRANSITO MEJENES SHIGO MORI CARL RABINOWITZ ROY RIECKE ANTHONY RIOLO MISS AVITA C. ROELING

# PRIZES AWARDED, JUNE, 1931

The National Drug Clerks' Association prize for the session of 1930-31 was awarded to:

CARL ZUMMO, for Chemistry
NOLAN LANDRY, for Materia Medica
JOSEPH A. KARAM, for Pharmacy

The I. L. Lyons & Company, Inc., Gold Medal for the highest general average in all subjects covered in the Senior year was awarded to:

# JOSEPH A. KARAM

The Louisiana State Pharmaceutical Association medal for the highest general average in Pharmacy in the Senior year was awarded to:

# JOSEPH A. KARAM

The Key Alumni Association medal for the highest general average and scholarship was awarded to:

JOSEPH A. KARAM





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